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February 21, 1990

Department of Neuro-Oncology - 118

Harold C. McAllister, Ph.D.  
Research Director  
The Council for Tobacco Research - USA Inc.  
900 Third Avenue  
New York, N.Y. 10022

Dear Dr. McAllister:

I am writing to inquire about the possibility of applying for grant support from The Council for Tobacco Research - U.S.A. for a study directed at the biochemical mechanisms involved in growth control. The proposed project is focused at the regulation of the protein tyrosine kinase activity of epidermal growth factor-receptor (EGF-R). Our previous studies have indicated that the composition and structure of EGF-R's associated N-linked oligosaccharides may play a regulatory role in controlling the kinase activity of the receptor.

The specific aims of this project would be to establish a casual structural/functional relationship between the composition of the glycoconjugates and the protein tyrosine kinase of EGF-R. Additionally, the biochemical mechanisms responsible for the alterations to EGF-R will be analyzed. These studies would demonstrate a novel regulatory mechanism for control of EGF-R in particular, and possibly for other growth factor receptors involved in tyrosine phosphorylation. A brief summary of the background and goals of the proposed project is enclosed.

If The Council for Tobacco Research would be interested in evaluating a complete proposal directed at these efforts, please contact me at (713) 792-3003 or the above address. Thank you for your efforts.

Sincerely,

Peter A. Steck

Peter A. Steck, Ph.D.  
Assistant Professor

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